

CLAIMS

The invention claimed is:

- 5 1. A printing system comprising:
a printing device for printing on a printing medium in accordance with a first
setting;
an interface; and
a controller for controlling the first setting responsive to inputs from the
10 interface, the controller having an on line mode wherein the printing device prints
while the first setting is unchanging, and an off line mode for calibration of the first
setting for the printing medium,
wherein the controller is adapted to, while in the off line mode,
identify a plurality of first calibration values for the first setting,
15 control the printing device to iteratively set the first setting of the
printing device according to one of the first calibration values and then print a
sample image, and
receive a first feedback input that identifies one of the first calibration
values as preferred for the first setting.
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2. The printing system of claim 1, wherein the controller is further adapted to
identify a plurality of second calibration values for a second setting,
control the printing device to iteratively set the second setting of the
printing device according to one of the second calibration values and then
25 print a sample image, and
receive a second feedback input that identifies one of the second
calibration values as preferred for the second setting.
3. The printing system of claim 1, wherein the controller is further adapted to
30 control the printing device to also print an indicium on each sample
corresponding to the calibration value of the first setting being used, and
interpret the feedback input based on the indicium.
4. The printing system of claim 1, wherein

the first setting is a temperature of a fuser.

5. The printing system of claim 1, wherein the first setting is a print speed.

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6. The printing system of claim 1, wherein the first setting is a set of color curves.

7. The printing system of claim 1, wherein the first setting is a set of gamma curves.

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8. The printing system of claim 1, wherein the first setting is a set of white point data.

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9. The printing system of claim 1, wherein the first calibration values are preset for the first setting.

10. The printing system of claim 1, wherein the controller is further adapted to: receive at least one trigger value regarding the first setting, wherein the first calibration values are derived from the trigger value.

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11. The printing system of claim 10, wherein the trigger value corresponds to an initial value.

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12. The printing system of claim 11, wherein the first calibration values are derived from an increment and the initial value.

13. The printing system of claim 11, wherein the increment has a preset value.

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14. The printing system of claim 1, further comprising: a memory.

15. The printing system of claim 14, wherein the controller is further adapted to:

store in the memory a preferred one of the first calibration values.

16. The printing system of claim 14, wherein the controller is further adapted to:
store in the memory an identifier for the printing medium that the sample
5 images are printed on.

17. The printing system of claim 16, further comprising:
a bar code scanner to read the identifier.

10 18. An article comprising: a storage medium, the storage medium having
instructions stored thereon, wherein when the instructions are executed by at least one
device, they result in:

placing a printing device in an off line media characterization mode for a first
setting of the printing device;

15 identifying a plurality of first calibration values for the first setting;

iteratively setting the first setting of the printing device according to one of the
first calibration values and then printing a sample image using the printing device;
and

20 receiving a first feedback input that identifies one of the first calibration values
as preferred for the first setting.

19. The article of claim 18, wherein the instructions further result in:

identifying a plurality of second calibration values for a second setting of the
printing device;

25 iteratively setting the second setting of the printing device according to one of
the second calibration values and then printing a sample image using the printing
device; and

receiving a second feedback input that identifies one of the second calibration
values as preferred for the second setting.

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20. The article of claim 18, wherein
all the sample images are derived from a single electronic image file.

21. The article of claim 18, wherein the instructions further result in:

printing, along with each sample image, an indicium corresponding to the first calibration value of the first setting in use while printing the sample image.

22. The article of claim 18, wherein the instructions further result in:

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23. The article of claim 18, wherein
the first setting is a temperature of a fuser.

24. The article of claim 18, wherein
the first setting is a print speed.

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25. The article of claim 18, wherein
the first setting is a set of color curves.

26. The article of claim 18, wherein
the first setting is a set of gamma curves.

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27. The article of claim 18, wherein
the first setting is a set of white point data.

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28. The article of claim 18, wherein
the first calibration values are preset for the first setting.

29. The article of claim 18, wherein the instructions further result in:
receiving at least one trigger value regarding the first setting,
wherein the first calibration values are derived from the trigger value.

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30. The article of claim 29, wherein
the trigger value corresponds to an increment value.

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31. The article of claim 29, wherein
the trigger value corresponds to an initial value.

32. The article of claim 31, wherein

the first calibration values are derived from an increment and the initial value.

33. The article of claim 31, wherein
the increment has a preset value.

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34. The article of claim 31, wherein the instructions further result in:
setting a value for the increment.

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35. The article of claim 18, wherein the instructions further result in:
store a preferred one of the first calibration values in a memory.

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36. The article of claim 35, wherein the instructions further result in:
storing in the memory an identifier for the printing medium that the sample
images are printed on.

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37. A method comprising:
placing a printing device in an off line media characterization mode for a first
setting of the printing device;
identifying a plurality of first calibration values for the first setting;
iteratively setting the first setting of the printing device according to one of the
first calibration values and then printing a sample image using the printing device;
and
receiving a first feedback input that identifies one of the first calibration values
as preferred for the first setting.

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38. The method of claim 37, further comprising:
identifying a plurality of second calibration values for a second setting of the
printing device;
iteratively setting the second setting of the printing device according to one of
the second calibration values and then printing a sample image using the printing
device; and
receiving a second feedback input that identifies one of the second calibration
values as preferred for the second setting.

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39. The method of claim 37, wherein
all the sample images are derived from a single electronic image file.
40. The method of claim 37, further comprising:
printing, along with each sample image, an indicium corresponding to the first
calibration value of the first setting in use while printing the sample image.
41. The method of claim 37, wherein
the first setting is a temperature of a fuser.
42. The method of claim 37, wherein
the first setting is a print speed.
43. The method of claim 37, wherein
the first setting is a set of color curves.
44. The method of claim 37, wherein
the first setting is a set of gamma curves.
45. The method of claim 37, wherein
the first setting is a set of white point data.
46. The method of claim 37, wherein
the first calibration values are preset for the first setting.
47. The method of claim 37, further comprising:
receiving at least one trigger value regarding the first setting,
wherein the first calibration values are derived from the trigger value.
48. The method of claim 47, wherein
the trigger value corresponds to an increment value.
49. The method of claim 47, wherein
the trigger value corresponds to an initial value.

50. The method of claim 49, wherein
the first calibration values are derived from an increment and the initial value.

5 51. The method of claim 49, wherein
the increment has a preset value.

52. The method of claim 49, further comprising:
setting a value for the increment.

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53. The method of claim 37, further comprising:
store a preferred one of the first calibration values in a memory.

54. The method of claim 53, further comprising:
15 storing in the memory an identifier for the printing medium that the sample
images are printed on.

55. The method of claim 54, further comprising:
scanning a bar code to read the identifier.

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56. A method comprising:
selecting a first setting of a printing device for calibration with a printing
medium;
feeding a plurality of sheets of the printing medium to the printing device for
25 printing a plurality of sample images;
visually inspecting the sample images to select one of them as the preferred
one; and
entering in a memory a feedback input to indicate the preferred sample image.

30 57. The method of claim 56, wherein
each one of the sample images includes an indicium, and
the feedback input identifies the indicium.

58. The method of claim 56, wherein

the first setting is a temperature of a fuser.

59. The method of claim 56, wherein
the first setting is a print speed.

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60. The method of claim 56, wherein
the first setting is a set of color curves.

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61. The method of claim 56, wherein
the first setting is a set of gamma curves.

62. The method of claim 56, wherein
the first setting is a set of white point data.

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